

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Masahide HARADA

Application No.: New National Stage of PCT/JP01/03466

Filed: December 18, 2001

Docket No.: 111479

For: SYSTEM OF STANDBY MANAGEMENT FOR LIVESTOCK BIRTH

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 3-6 as follows:

3. (Amended) A system of standby management for livestock birth as claimed in

Claim 1, wherein

said livestock biological data measurement means comprises at least one of a respiration rate sensor for detecting a respiration rate of said livestock, a blood pressure sensor for detecting a blood pressure of said livestock, a heart rate sensor for detecting a heart rate of said livestock, or a body temperature sensor for detecting a body temperature of said livestock.

4. (Amended) A system of standby management for livestock birth as claimed in

Claim 1, wherein

said livestock biological data measurement means comprises a data transfer device for transferring data;

said communication line includes at least one of a telephone line or the Internet;

said data relay means comprises a data collector for collecting data transferred from the data transfer device of the livestock biological data measurement means, a first relay device for putting the collected data on the communication line, and a second relay device for outputting a signal transmitted via the communication line.

5. (Amended) A system of standby management for livestock birth as claimed in Claim 1, wherein

said information means comprises a telephone or a facsimile device.

6. (Amended) A system of standby management for livestock birth as claimed in Claim 1, further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological data measurement means on a communication line; and

said information means for informing the livestock administrator when it is judged that the livestock has a birth sign or the livestock is calving.

Please add new claims 7-16 as follows:

--7. A system of standby management for livestock birth as claimed in Claim 2, wherein

said livestock biological data measurement means comprises at least one of a respiration rate sensor for detecting a respiration rate of said livestock, a blood pressure sensor for detecting a blood pressure of said livestock, a heart rate sensor for detecting a heart rate of said livestock, or a body temperature sensor for detecting a body temperature of said livestock.--

--8. A system of standby management for livestock birth as claimed in Claim 2, wherein

said livestock biological data measurement means comprises a data transfer device for transferring data;

said communication line includes at least one of a telephone line or the Internet;

said data relay means comprises a data collector for collecting data transferred from the data transfer device of the livestock biological data measurement means, a first relay device for putting the collected data on the communication line, and a second relay device for outputting a signal transmitted via the communication line.--

--9. A system of standby management for livestock birth as claimed in Claim 3, wherein

said livestock biological data measurement means comprises a data transfer device for transferring data;

said communication line includes at least one of a telephone line or the Internet;

said data relay means comprises a data collector for collecting data transferred from the data transfer device of the livestock biological data measurement means, a first relay device for putting the collected data on the communication line, and a second relay device for outputting a signal transmitted via the communication line.--

--10. A system of standby management for livestock birth as claimed in Claim 2, wherein

said information means comprises a telephone or a facsimile device.--

--11. A system of standby management for livestock birth as claimed in Claim 3, wherein

said information means comprises a telephone or a facsimile device.--

--12. A system of standby management for livestock birth as claimed in Claim 4, wherein

said information means comprises a telephone or a facsimile device.--

--13. A system of standby management for livestock birth as claimed in Claim 2,
further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical
conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological
data measurement means on a communication line; and

said information means for informing the livestock administrator when it is judged that
the livestock has a birth sign or the livestock is calving.--

--14. A system of standby management for livestock birth as claimed in Claim 3,
further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical
conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological
data measurement means on a communication line; and

said information means for informing the livestock administrator when it is judged that
the livestock has a birth sign or the livestock is calving.--

-15. A system of standby management for livestock birth as claimed in Claim 4,
further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical
conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological
data measurement means on a communication line; and

said information means for informing the livestock administrator when it is judged that
the livestock has a birth sign or the livestock is calving.--

--16. A system of standby management for livestock birth as claimed in Claim 5,
further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological data measurement means on a communication line; and

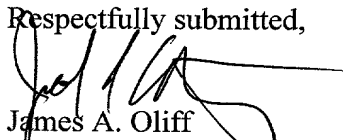
said information means for informing the livestock administrator when it is judged that the livestock has a birth sign or the livestock is calving.--

REMARKS

Claims 1 - 16 are pending. By this Preliminary Amendment, claims 3-6 are amended to remove multiple dependencies. Claims 7-16 are added to compensate for the material deleted from claims 3-6. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. 1.121(c)(1)(ii)).

Respectfully submitted,


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Attached: Appendix
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APPENDIX

Changes to Claims:

Claims 7-16 are added.

The following are marked-up versions of the amended claims:

3. (Amended) A system of standby management for livestock birth as claimed in

Claim 1 ~~or 2~~, wherein

said livestock biological data measurement means comprises at least one of a respiration rate sensor for detecting a respiration rate of said livestock, a blood pressure sensor for detecting a blood pressure of said livestock, a heart rate sensor for detecting a heart rate of said livestock, or a body temperature sensor for detecting a body temperature of said livestock.

4. (Amended) A system of standby management for livestock birth as claimed in

Claim 1 ~~any one of Claims 1 to 3~~, wherein

said livestock biological data measurement means comprises a data transfer device for transferring data;

said communication line includes at least one of a telephone line or the Internet;

said data relay means comprises a data collector for collecting data transferred from the data transfer device of the livestock biological data measurement means, a first relay device for putting the collected data on the communication line, and a second relay device for outputting a signal transmitted via the communication line.

5. (Amended) A system of standby management for livestock birth as claimed in

Claim 1 ~~any one of Claims 1 to 4~~, wherein

said information means comprises a telephone or a facsimile device.

6. (Amended) A system of standby management for livestock birth as claimed in Claim 1 ~~any one of Claims 1 to 6~~, further comprising a plurality of sets in which each set comprises:

said livestock biological data measurement means for measuring changes in physical conditions of the livestock due to a birth and outputting them as measurement data;

said data relay means for putting the measurement data from the livestock biological data measurement means on a communication line; and

said information means for informing the livestock administrator when it is judged that the livestock has a birth sign or the livestock is calving.

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Masahide HARADA

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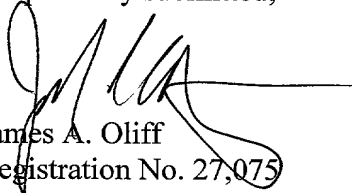
LETTER TO THE OFFICIAL DRAFTSPERSON

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Please substitute the attached 4 sheets of formal drawings depicting Figures 1-4 for the corresponding drawings filed with the application.

Respectfully submitted,



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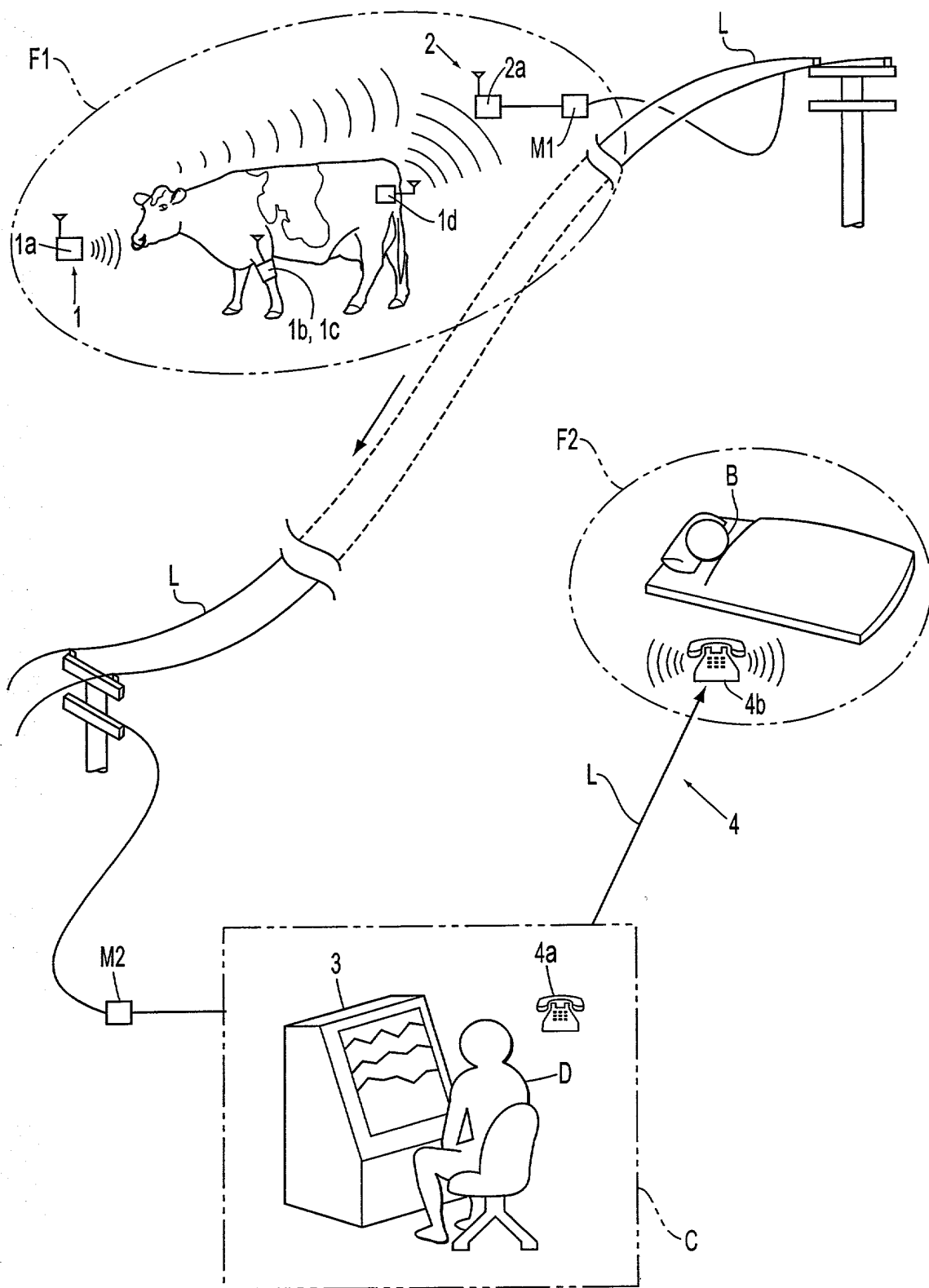


FIG. 1

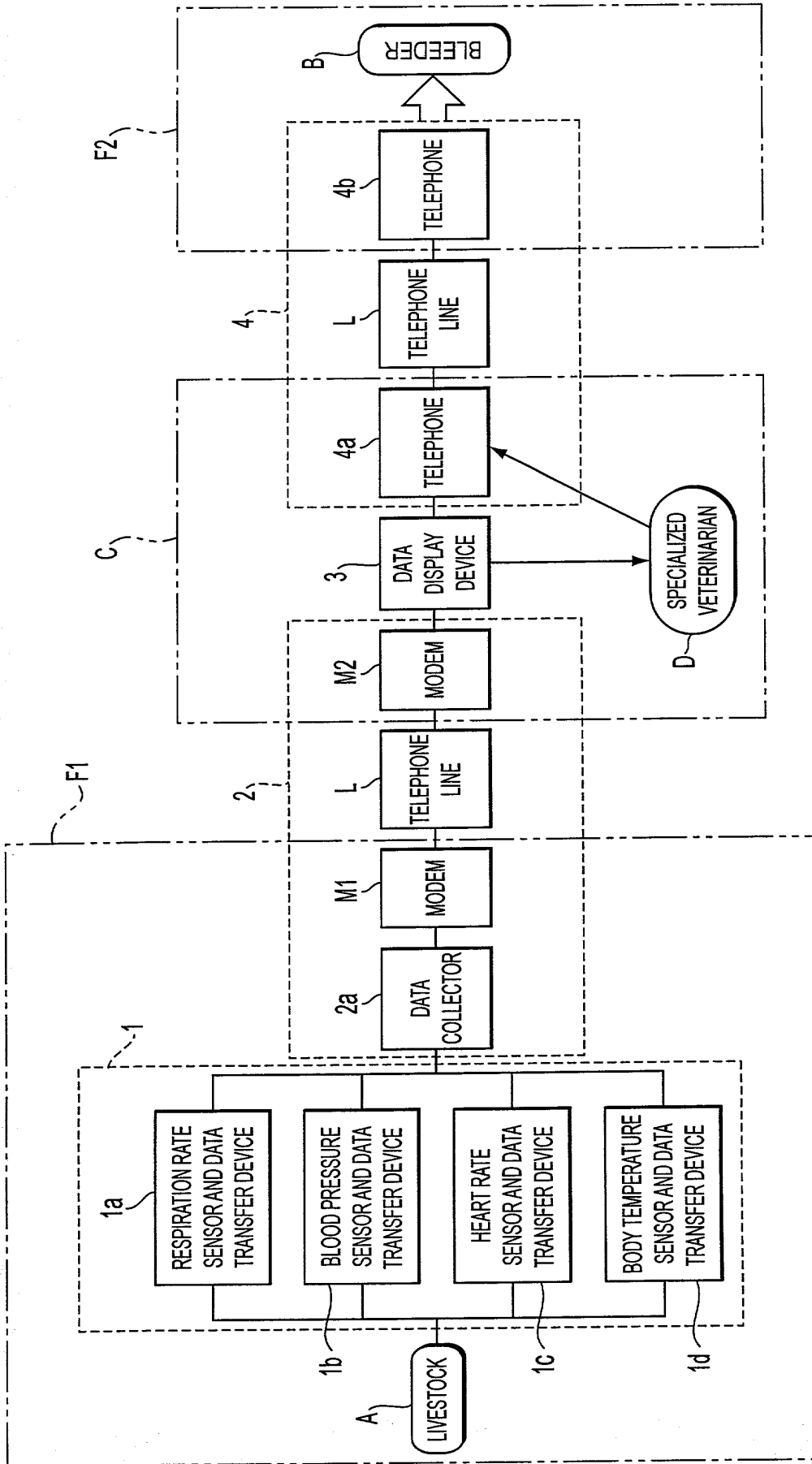


FIG. 2

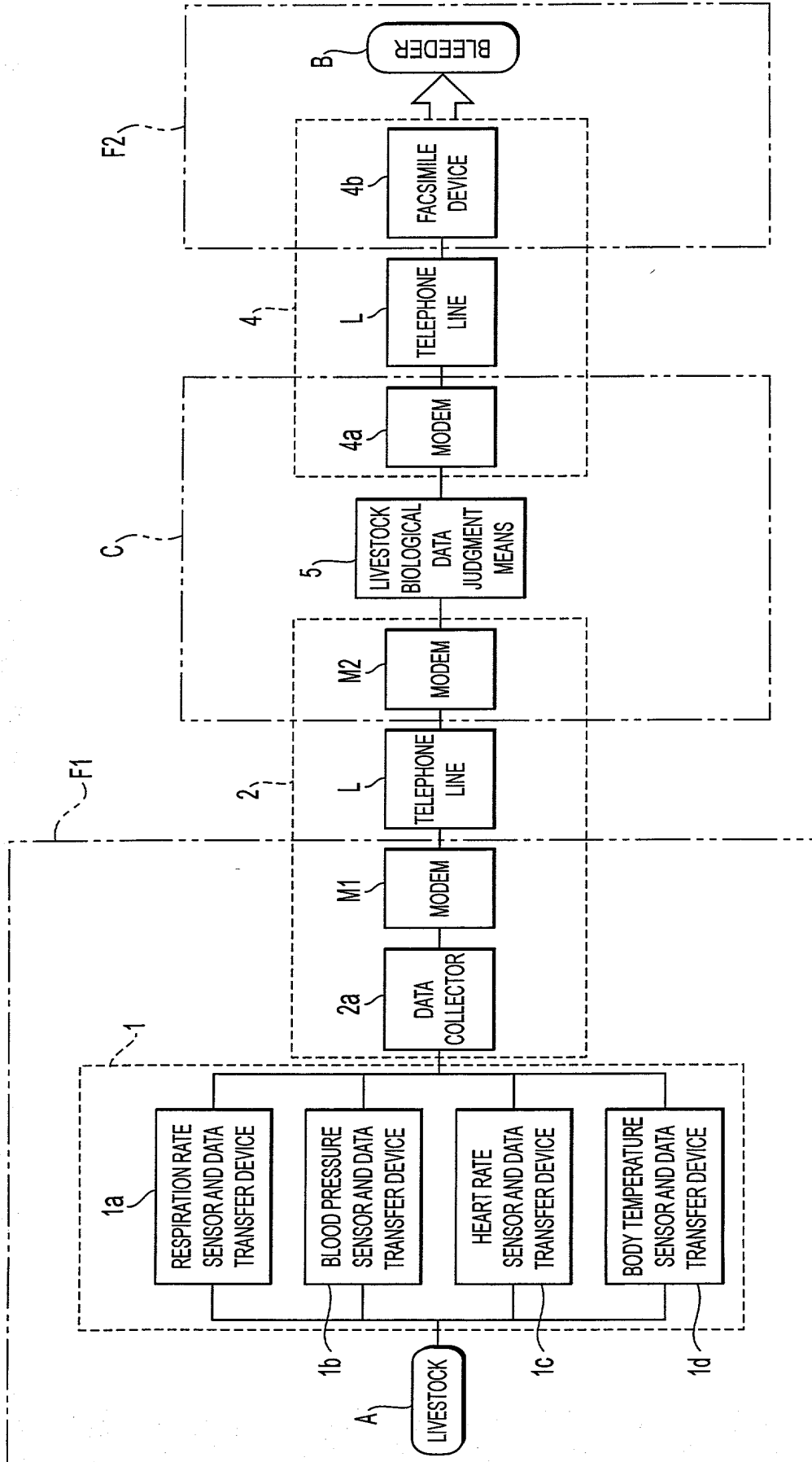


FIG. 3

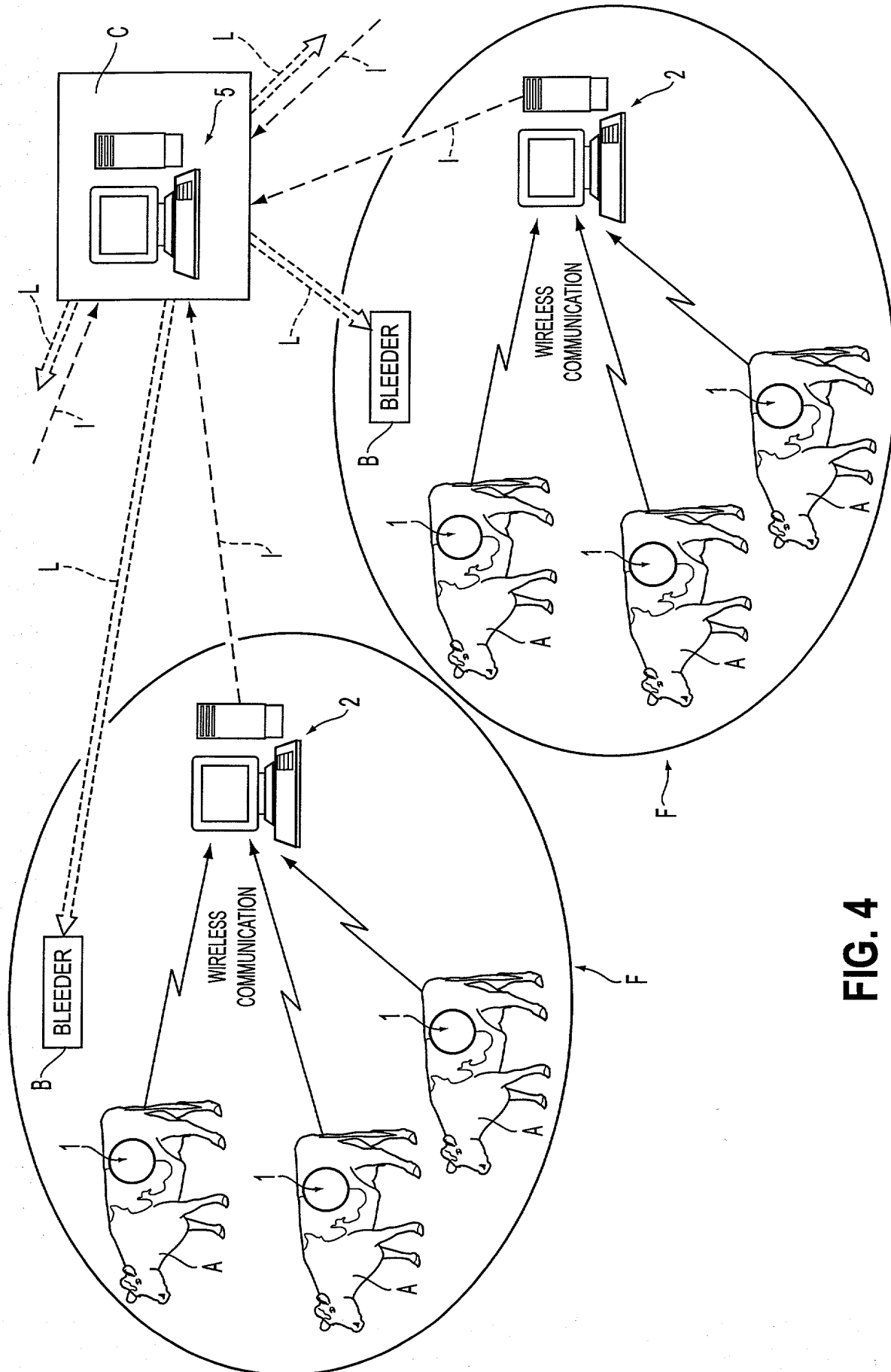


FIG. 4